

**INFORMATION PROCESSING DEVICE FOR DIVER, CONTROL
METHOD, CONTROL PROGRAM AND RECORDING MEDIUM
THEREOF, DIVING EQUIPMENT, AND CONTROL METHOD OF
DIVING EQUIPMENT**

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ABSTRACT OF THE DISCLOSURE

10 An information processing device for a diver used for diving by using a plurality of
mixed gases in which the mixture ratios of a plurality of diving gases are the same or different
determines the switch timing of the mixed gas on the basis of a preset scheduled dive pattern
and an actual dive pattern up to present. A notification is issued regarding the switch timing
and information for specifying the mixed gas to which a switch is to be made based on this
switch timing. When the diver selects one of the cylinders as the cylinder to which the switch
is to be made and in which the mixture ratio of the diving gas is different, processing is
carried out that prohibits switching to the selected cylinder when it is determined that the
15 selected cylinder may create a danger of oxygen deficiency or oxygen poisoning.